



R is hydrogen, or an alicyclic or aromatic, mono-, bi- or tricyclic, carbo- or heterocyclic ring, wherein when R is an alicyclic monocyclic heterocyclic ring containing a nitrogen heteroatom, the alicyclic monocyclic heterocyclic ring contains only one nitrogen heteroatom;

wherein R is optionally substituted with one substituent selected from the group consisting of hydrogen, halo, hydroxyl, nitro, trifluoromethyl, C<sub>1</sub>-C<sub>6</sub> straight or branched chain alkyl, C<sub>2</sub>-C<sub>6</sub> straight or branched chain alkenyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, C<sub>2</sub>-C<sub>4</sub> alkenyloxy, phenyl, phenoxy, benzyloxy, and amino;  
wherein when both X substituents are O and D is a bond, R is not phenyl;  
wherein when one X is O and the other is S and D is a bond, then R is not phenyl;  
wherein when both X substituents are O and R is H, D is not C<sub>1</sub>-C<sub>8</sub> alkyl;  
or a pharmaceutically acceptable salt, ester, or solvate thereof.